



## **JOB DESCRIPTION**

Position Title: **Traffic Engineer**

Class Code: 5609

Exempt

EEO Code: 01

Effective Date: August 30, 2002

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### **Major Function**

Professional, administrative and technical work directing the Traffic Engineering Division of the Public Works Department.

### **Essential Functions**

*Note: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is a logical assignment to the position.*

Establishes work priorities and administers the maintenance operation, and modification of traffic signals, traffic control signs and pavement markings on the roadway network. Establishes and updates policies for installation, operation, and maintenance of traffic control devices for the County roadway network.

Collects traffic data and conducts traffic operations and safety studies to determine the posted speeds, safety measures, need for traffic control devices, and maintenance of traffic networks for the County roadway system. Designs' traffic signals, intersection geometry, signing and pavement markings, maintenance of traffic signals, and signal system timings, and other traffic management related improvements. Reviews plans for signals, signing and pavement markings, maintenance of traffic, intersection improvements prepared by other departments, agencies, and consultants. Administers fabrication of roadway signs and insures inventory control for manufacturing installation, and replacement of all roadway signs.

Administers construction and professional contacts for design, construction, and maintenance of traffic control devices, and roadway markings. Administers contracts for collection of traffic data by private consultants.

Investigates and responds to complaints regarding congestion problems, malfunctions of traffic signals, safety hazards, and other issues as required by citizens, officials, other County departments, and other agencies.

Administers the County's Traffic Emergency Response Program. Coordinates the Emergency Response Program with local and regional law enforcement and traffic management agencies.

Designs, coordinates, administers, and maintains the County's computerized signal system and I.T.S. activities.

Prepares, monitors, and controls the Division's budget for all operations in the Traffic Engineering Division. Compiles reports and studies as necessary on traffic engineering division operations. Serves on County or inter-governmental boards as necessary. Interacts with law enforcement agencies and other governmental bodies as necessary.

Initiates and effectively recommends, for final approval by the Department Director, hiring, termination, performance evaluations, disciplinary and/or commendatory actions for assigned personnel.

Performs other duties as assigned or as may be necessary.



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### **Minimum Qualifications**

Extensive knowledge of the principles and practices of traffic engineering. Knowledge of traffic flow theory. Considerable knowledge of design practices and standards for design of signals and signal systems, intersections, signing and pavement markings, maintenance of traffic during construction, accident analysis and highway safety studies, capacity analysis, and traffic operations studies. Extensive knowledge of the national and state transportation standards, AASHTO, MUTCD, and ITE guidelines.

Ability to communicate effectively both orally and in writing with subordinates, superiors, and the general public.

Bachelor's Degree in Engineering and four (4) years of traffic engineering experience to include one (1) year responsible supervisory experience with a governmental agency or competent traffic engineering consulting firm.

Must be a registered as a Professional Engineer in the State of Florida, or have the ability to become registered within six (6) months of employment.

Must be a member of the International Transportation Engineers Association, or have the ability to obtain membership in this organization within six (6) months of employment.

*A comparable amount of education, training, or experience may be substituted for the minimum qualifications.*

### **Working Conditions**

The work environment for this position is an office situation. The incumbent typically performs job duties while sitting at a desk, table, or workstation. The incumbent in this classification may perform some duties outside the office, which require prolonged standing and walking. Incumbents in this position are exposed to electrical and radiant energy found in an office environment.